

b biochem biosci biotech

d s

Set	Items	Description
S1	4124002	S ANTIBOD? OR (MONOCLONAL OR POLYCLONAL ANTIBOD?)
S2	10381	S LTA OR LIPOTECHOIC ACID OR TECHOIC ACID
S3	0	S GRAM(W)POSITIVE(BACTERIA)
S4	192769	S SEROTYPE? OR MULTIPLE(W)SERTYPE?
S5	419	S S. AUREUS OR STAPHYLOCOCCUS AUREUS
S6	153	S SEROTYPE 5 OR SEROTYPE 8

20/6/10 (Item 9 from file: 24) Links

CSA Life Sciences Abstracts

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0000483734 IP Accession No: 1331474

Antibodies to lipoteichoic acid from Staphylococcus aureus : Specificity of murine monoclonal and human antibodies.

Publication Date: 1985

Descriptors: monoclonal antibodies; Staphylococcus aureus

Identifiers: immunodiagnosis; man; teichoic acid

Subj Catg: 02832, Antigenic properties and virulence; 06008, Bacteria

20/6/11 (Item 10 from file: 24) Links

CSA Life Sciences Abstracts

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0000371927 IP Accession No: 960509

Humoral and cellular immune responses to staphylococcal lipoteichoic acid in multiple sclerosis patients.

Publication Date: 1983

Descriptors: immunoregulation; multiple sclerosis; immune response (cell-mediated); immune response (humoral); Staphylococcus aureus

Identifiers: effects on; man; lipoteichoic acid

Subj Catg: 06879, Central nervous system

S; INNATE IMMUNITY; DIFFERENTIAL EXPRESSION; CHICKEN; ACTIVATION; RECOGNITION; LEUKOCYTES; PROTEINS; CELLS

20/6/15 (Item 4 from file: 34) Links

SciSearch(R) Cited Ref Sci

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08341796 Genuine Article#: 273MT Number of References: 60

Protection from lethal gram-positive infection by macrophage scavenger receptor-dependent phagocytosis

(ABSTRACT AVAILABLE)

Publication date: 20000103

Journal Subject Category: IMMUNOLOGY; MEDICINE, RESEARCH & EXPERIMENTAL

Descriptors--Author Keywords: scavenger receptor ; macrophage ; phagocytosis ; gram-positive bacteria ; Staphylococcus aureus

Identifiers-- Keyword Plus(R): HUMAN POLYMORPHONUCLEAR LEUKOCYTES;

LOW-DENSITY-LIPOPROTEIN; STAPHYLOCOCCUS-AUREUS; MONOCLONAL- ANTIBODY;

PERITONEAL-DIALYSIS; MURINE MACROPHAGES; CELL-DEATH; COMPLEMENT; MICE; ADHESION

20/6/16 (Item 1 from file: 45) Links

01838519 EMCare No: 43308278

monoantibodysearch.txt

Lipoteichoic acid (LTA) from *Staphylococcus aureus* stimulates human neutrophil cytokine release by a CD14-dependent, Toll-like-receptor-independent mechanism: Autocrine role of tumor necrosis factor- α in mediating LTA-induced interleukin-8 generation

2006

20/6/17 (Item 2 from file: 45) Links

01718396 EMCare No: 41099048

Mechanisms of cardiac depression caused by lipoteichoic acids from *Staphylococcus aureus* in isolated rat hearts

02 AUG 2005

20/6/18 (Item 3 from file: 45) Links

00165691 EMCare No: 26130561

Systemic immune response to streptococcal and staphylococcal lipoteichoic acids in children with recurrent tonsillitis

1996

20/6/19 (Item 1 from file: 50) Links

CAB Abstracts

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0008659510 CAB Accession Number: 20043120513

Differential effects of lipopolysaccharide and lipoteichoic acid on the primary antibody response to keyhole limpet hemocyanin of chickens selected for high or low antibody responses to sheep red blood cells.

Publication Year: 2004

Descriptors: antibodies; cocks; erythrocytes; haemocyanins; immune response; lipopolysaccharides; poultry

Identifiers: keyhole limpet haemocyanin; lipoteichoic acid

Organism Descriptors: fowls; *Salmonella enteritidis*; sheep; *Staphylococcus aureus*

Broader Terms: *Gallus gallus*; *Gallus*; Phasianidae; Galliformes; birds; vertebrates;

Chordata; animals; poultry; *Salmonella*; Enterobacteriaceae; Gracilicutes; bacteria; prokaryotes; Ovis; Bovidae; ruminants; Artiodactyla; mammals; ungulates;

Staphylococcus; Staphylococcaceae; Firmicutes

CABICodes: Animal Immunology, (New March 2000) (LL650); Prion, Viral, Bacterial and Fungal Pathogens of Animals, (New March 2000) (LL821)

20/6/20 (Item 2 from file: 50) Links

CAB Abstracts

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0008403136 CAB Accession Number: 20033064015

Oxidative burst mediated by toll like receptors (TLR) and CD14 on avian heterophils stimulated with bacterial toll agonists.

Publication Year: 2003

Descriptors: antibodies; antigens; biochemical receptors; chemiluminescence; formaldehyde; lipopolysaccharides; poultry

Identifiers: heterophils; lipoteichoic acid; oxidative burst; toll-like receptors

CAS Registry Numbers: 50-00-0

Organism Descriptors: fowls; *Salmonella enteritidis*; *Staphylococcus aureus*

Broader Terms: *Gallus gallus*; *Gallus*; Phasianidae; Galliformes; birds; vertebrates;

monoantibodysearch.txt

Chordata; animals; poultry; Salmonella; Enterobacteriaceae; Gracilicutes; bacteria; prokaryotes; Staphylococcus; Staphylococcaceae; Firmicutes
CABICodes: Animal Immunology, (New March 2000) (LL650); Prion, Viral, Bacterial and Fungal Pathogens of Animals, (New March 2000) (LL821)

20/6/21 (Item 1 from file: 71) Links

02983868 2005139529

Signal transduction pathways of nitric oxide release in primary microglial culture challenged with gram-positive bacterial constituent, lipoteichoic acid

20/6/22 (Item 2 from file: 71) Links

02374449 2003158148

Lipoteichoic acid from Staphylococcus aureus enhances allergen-specific immunoglobulin E production in mice

PUBLICATION DATE: June 1, 2003

20/6/23 (Item 3 from file: 71) Links

02280775 2003064921

Oxidative burst mediated by toll like receptors (TLR) and CD14 on avian heterophils stimulated with bacterial toll agonists

PUBLICATION DATE: May 1, 2003

20/6/24 (Item 1 from file: 73) Links

13978891 EMBASE No: 2006389609

Differential effects of Gram-positive versus Gram-negative bacteria on NOSII and TNFalpha in macrophages: Role of TLRs in synergy between the two

Publication Date: 24 AUG 2006

20/6/25 (Item 2 from file: 73) Links

13624744 EMBASE No: 2006102203

Lipoteichoic acid (LTA) from Staphylococcus aureus stimulates human neutrophil cytokine release by a CD14-dependent, Toll-like-receptor-independent mechanism: Autocrine role of tumor necrosis factor-alpha in mediating LTA-induced interleukin-8 generation

Publication Date: 2006

20/6/26 (Item 3 from file: 73) Links

13457312 EMBASE No: 2005503689

Responses of microglia in vitro to the gram-positive bacterial component, lipoteichoic acid

Publication Date: 15 NOV 2005

20/6/27 (Item 4 from file: 73) Links

monoantibodysearch.txt

13395646 EMBASE No: 2005458881

Staphylococcal lipoteichoic acid inhibits delayed-type hypersensitivity reactions via the platelet-activating factor receptor

Publication Date: 2005

20/6/28 (Item 5 from file: 73) Links

13297788 EMBASE No: 2005353724

Mechanisms of cardiac depression caused by lipoteichoic acids from Staphylococcus aureus in isolated rat hearts

Publication Date: 02 AUG 2005

20/6/29 (Item 6 from file: 73) Links

13199134 EMBASE No: 2005236322

Signal transduction pathways of nitric oxide release in primary microglial culture challenged with gram-positive bacterial constituent, lipoteichoic acid

Publication Date: 2005

20/6/30 (Item 7 from file: 73) Links

12982734 EMBASE No: 2005045404

Reactive changes of interstitial glia and pinealocytes in the rat pineal gland challenged with cell wall components from gram-positive and -negative bacteria

Publication Date: 2005

20/6/31 (Item 8 from file: 73) Links

12523178 EMBASE No: 2004115837

Highly purified lipoteichoic acid activates neutrophil granulocytes and delays their spontaneous apoptosis via CD14 and TLR2

Publication Date: 2004

20/6/32 (Item 9 from file: 73) Links

12359427 EMBASE No: 2003465881

Toll-like Receptor-2 Mediates Treponema Glycolipid and Lipoteichoic Acid-induced NF-kappaB Translocation

Publication Date: 22 JUN 2001

20/6/33 (Item 10 from file: 73) Links

12142924 EMBASE No: 2003255555

Lipoteichoic acid from Staphylococcus aureus enhances allergen-specific immunoglobulin E production in mice

Publication Date: 01 JUN 2003

20/6/34 (Item 11 from file: 73) Links

monoantibodysearch.txt

11992732 EMBASE No: 2003104318

Oxidative burst mediated by toll like receptors (TLR) and CD14 on avian heterophils stimulated with bacterial toll agonists

Publication Date: 01 MAY 2003

20/6/35 (Item 12 from file: 73) Links

11662200 EMBASE No: 2002233285

Lipoteichoic acid selectively induces the ERK signaling pathway in the cornea

Publication Date: 2002

>>>W: "FREE" is not a valid format name in file(s): 399

20/6/36 (Item 13 from file: 73) Links

11506799 EMBASE No: 2002078428

Cytokine induction by purified lipoteichoic acids from various bacterial species - Role of LBP, sCD14, CD14 and failure to induce IL-12 and subsequent IFN-gamma release

Publication Date: 2002

20/6/37 (Item 14 from file: 73) Links

11348603 EMBASE No: 2001361808

Inhibition of antibody-dependent stimulation of lipoteichoic acid-treated human monocytes and macrophages by polyglycerolphosphate-reactive peptides

Publication Date: 2001

20/6/38 (Item 15 from file: 73) Links

10756359 EMBASE No: 2000237317

Peptidoglycan and lipoteichoic acid from Staphylococcus aureus induce tumor necrosis factor alpha, interleukin 6 (IL-6), and IL-10 production in both T cells and monocytes in a human whole blood model

Publication Date: 2000

20/6/39 (Item 16 from file: 73) Links

06876921 EMBASE No: 1997161251

Induction of NO synthesis by lipoteichoic acid from Staphylococcus aureus in J774 macrophages: Involvement of a CD14-dependent pathway

Publication Date: 1997

20/6/40 (Item 17 from file: 73) Links

06471212 EMBASE No: 1996118216

Systemic immune response to streptococcal and staphylococcal lipoteichoic acids in children with recurrent tonsillitis

Publication Date: 1996

20/6/41 (Item 18 from file: 73) Links

06294267 EMBASE No: 1995329296

The cell wall components peptidoglycan and lipoteichoic acid from *Staphylococcus aureus* act in synergy to cause shock and multiple organ failure

Publication Date: 1995

20/6/42 (Item 19 from file: 73) Links

03165443 EMBASE No: 1986143020

Antibodies to lipoteichoic acid from *Staphylococcus aureus*. Specificity of murine monoclonal and human antibodies

Publication Date: 1985

20/6/43 (Item 20 from file: 73) Links

03110512 EMBASE No: 1986223089

The mitogenic properties of lipoteichoic acid from *Staphylococcus aureus*

Publication Date: 1986

20/6/44 (Item 21 from file: 73) Links

02276252 EMBASE No: 1982007413

Antibodies to staphylococcal lipoteichoic acid in serum and in cerebrospinal fluid from patients with multiple sclerosis

Publication Date: 1981

20/6/45 (Item 22 from file: 73) Links

01722018 EMBASE No: 1980090591

Antibodies in rabbits immunized with staphylococcal lipoteichoic acid

Publication Date: 1980

20/6/46 (Item 23 from file: 73) Links

01722017 EMBASE No: 1980090590

Immunoperoxidase and electron microscopy studies of staphylococcal lipoteichoic acid

Publication Date: 1980

20/6/47 (Item 1 from file: 94) Links

JICST-EPlus

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06209725 JICST Accession Number: 05A0839720 File Segment: JICST-E

Characterization of cytokine-inducing active components in the LTA fraction extracted from *Enterococcus hirae* and *Staphylococcus aureus*, 2005

Descriptors: *Staphylococcus aureus*; extraction; lipoteichoic acid; cytokine; monoclonal antibody; human(primates); peripheral blood; monocyte; cultured cell; *Enterococcus*; gel electrophoresis

Identifiers: *Enterococcus hirae*; sodium dodecyl sulfate-polyacrylamidegel

electrophoresis

Broader Descriptors: Staphylococcus; Micrococcaceae; bacterium; microorganism; separation; glyceroglycolipid; glycerolipid; complex lipid; lipid; glycolipid; bioactive factor; factor; antibody; blood; body fluid; phagocyte; cell(cytology); leucocyte; blood corpuscle; blood component; component; Streptococcaceae; electrophoresis

Classification Codes: EB05020M; EB08090G

20/6/48 (Item 2 from file: 94) Links

JICST-EPlus

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05936838 JICST Accession Number: 04A0756391 File Segment: JICST-E

Cytokine-inducing active components in LTA fraction obtained with 1-butanol extraction from Enterococcus hirae and Staphyrococcus aureus

, 2004

Descriptors: Staphylococcus aureus; lipoteichoic acid; interleukin 6; bioactive factor; TNF-alpha; glycolipid; affinity chromatography; monoclonal antibody; Enterococcus; aliphatic alcohol

Identifiers: Enterococcus hirae; AF-EH; EH-B40; SA-B40

Broader Descriptors: Staphylococcus; Micrococcaceae; bacterium; microorganism; glyceroglycolipid ; glycerolipid; complex lipid; lipid; interleukin; growth factor; factor; lymphokine; cytokine; TNF; liquid chromatography; chromatography; biochemical analysis; chemical analysis; analysis(separation); analysis; antibody; Streptococcaceae; alcohol; hydroxy compound

Classification Codes: EB05020M

20/6/49 (Item 1 from file: 144) Links

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17573464 PASCAL No.: 06-0161206

Lipoteichoic acid (LTA) from Staphylococcus aureus stimulates human neutrophil cytokine release by a CD14-dependent, Toll-like-receptor-independent mechanism : Autocrine role of tumor necrosis factor- alpha in mediating LTA-induced interleukin-8 generation

2006

English Descriptors: Infection; Sepsis syndrome; Resuscitation; Intensive care; Staphylococcus aureus; Human; Neutrophil; Cytokine; Tumor necrosis factor beta ; Tumor necrosis factor alpha ; Interleukin 8; Interleukin 10

Broad Descriptors: Micrococcaceae; Micrococcales; Bacteria; Micrococcaceae; Micrococcales; Bacterie; Micrococcaceae; Micrococcales; Bacteria

French Descriptors: Infection; Septique syndrome; Reanimation; Soins intensifs; Staphylococcus aureus; Homme; Neutrophile; Cytokine; Facteur necrose tumorale beta ; Facteur necrose tumorale alpha ; Interleukine 8; Interleukine 10

Classification Codes: 002B27B; 002A04I03; 002A04I01

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20/6/50 (Item 2 from file: 144) Links

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17312146 PASCAL No.: 05-0386932

Mechanisms of cardiac depression caused by lipoteichoic acids from Staphylococcus aureus in isolated rat hearts

2005

English Descriptors: Cardiovascular disease; Depression; Heart failure; Sepsis syndrome; Staphylococcus aureus; Isolated organ; Animal; Rat; Thromboxane; Toxin; Cytokine

Broad Descriptors: Infection; Micrococcaceae; Micrococcales; Bacteria; Rodentia; Mammalia; Vertebrata; Mood disorder; Heart disease; Arachidonic acid derivatives; Eicosanoid; Infection; Micrococcaceae; Micrococcales; Bacterie; Rodentia; Mammalia; Vertebrata; Trouble humeur; Cardiopathie; Arachidonique acide derive; Eicosanoide; Infeccion; Micrococcaceae; Micrococcales; Bacteria; Rodentia; Mammalia; Vertebrata; Trastorno humor; Cardiopatia; Araquidonico acido derivado; Eicosanoide

French Descriptors: Appareil circulatoire pathologie; Etat depressif; Insuffisance cardiaque; Septique syndrome; Staphylococcus aureus; Organe isole; Animal; Rat; Thromboxane; Toxine; Cytokine

Classification Codes: 002B12B03; 002B21C01; 002B02F09

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20/6/51 (Item 3 from file: 144) Links

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16341052 PASCAL No.: 03-0506708

Lipoteichoic acid from Staphylococcus aureus enhances allergen-specific immunoglobulin E production in mice

2003

English Descriptors: Atopic dermatitis; Allergen; Staphylococcus aureus; Lipoteichoic acid; IgE; Interleukin 4; CD40 ligand; Immune response; Immune deviation; Th2 lymphocyte; Mouse; Animal; Pathogenesis

Broad Descriptors: Micrococcaceae; Micrococcales; Bacteria; Rodentia; Mammalia; Vertebrata; Allergy; Atopy; Immunopathology; Skin disease; Cytokine; Micrococcaceae; Micrococcales; Bacterie; Rodentia; Mammalia; Vertebrata; Allergie; Atopie; Immunopathologie; Peau pathologie; Cytokine; Micrococcaceae; Micrococcales; Bacteria; Rodentia; Mammalia; Vertebrata; Alergia; Atopia; Inmunopatologia; Piel patologia; Citoquina

French Descriptors: Dermatite atopique; Allergene; Staphylococcus aureus; Lipoteichoique acide; IgE; Interleukine 4; Ligand CD40; Reponse immune; Immunodeviation; Lymphocyte Th2; Souris; Animal; Pathogenie

Classification Codes: 002B06C04

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20/6/52 (Item 4 from file: 144) Links

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15906454 PASCAL No.: 03-0045507

Priming of human oral epithelial cells by interferon- gamma to secrete cytokines in response to lipopolysaccharides, lipoteichoic acids and peptidoglycans

2002

English Descriptors: Salmonella; Staphylococcus aureus; Lipopolysaccharide; Lipoteichoic acid; Peptidoglycan; Host agent relation; Gamma interferon; Epithelial cell; Oral cavity

Broad Descriptors: Enterobacteriaceae; Bacteria; Micrococcaceae; Micrococcales; Cytokine; Stomatology; Enterobacteriaceae; Bacterie; Micrococcaceae; Micrococcales; Cytokine; Stomatologie; Enterobacteriaceae; Bacteria; Micrococcaceae; Micrococcales; Citoquina; Estomatologia

French Descriptors: Salmonella; Staphylococcus aureus; Lipopolyoside; Lipoteichoique acide; Peptidoglycane; Relation hôte agent; Interferon gamma; Cellule épithéliale; Cavité buccale; Récepteur type Toll

Classification Codes: 002A05B10

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20/6/53 (Item 5 from file: 144) Links

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15617734 PASCAL No.: 02-0321973

Synergistic effect of muramyl dipeptide with lipopolysaccharide or lipoteichoic acid to induce inflammatory cytokines in human monocytic cells in culture

2001

English Descriptors: Bacteria; Salmonella; Staphylococcus aureus; Lipopolysaccharide; Lipoteichoic acid; Inflammatory cell; Cytokine; Human; Monocyte; Cell culture; Analog; Salmonellosis; Staphylococcal infection; Cell surface; Cell component; Differentiation; Membrane

Broad Descriptors: Enterobacteriaceae; Micrococcaceae; Micrococcales; Bacteriosis; Infection; Enterobacteriaceae; Micrococcaceae; Micrococcales; Bacteriose; Infection; Enterobacteriaceae; Micrococcaceae; Micrococcales; Bacteriosis; Infection

French Descriptors: Bacterie; Salmonella; Staphylococcus aureus; Lipopolyoside; Lipoteichoique acide; Cellule inflammatoire; Cytokine; Homme; Monocyte; Culture cellulaire; Analogie; Salmonellose; Staphylococcie; Surface cellulaire; Constituant cellulaire; Differentiation; Membrane; Facteur transcription Oct-1; Antigène CD14

Classification Codes: 002A05B10; 002A05B09; 002A05

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20/6/54 (Item 6 from file: 144) Links

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14969298 PASCAL No.: 01-0122483

Peptidoglycan and lipoteichoic acid from *Staphylococcus aureus* induce tumor necrosis factor alpha, interleukin 6 (IL-6), and IL-10 production in both T cells and monocytes in a human whole blood model

2000

English Descriptors: *Staphylococcus aureus*; Peptidoglycan; Lipoteichoic acid; Biological activity; Tumor necrosis factor alpha ; Interleukin 6; Interleukin 10; T-Lymphocyte; Monocyte; Human; Host agent relation; In vitro

Broad Descriptors: Micrococcaceae; Micrococcales; Bacteria; Cytokine; Micrococcaceae; Micrococcales; Bacterie; Cytokine; Micrococcaceae; Micrococcales; Bacteria; Citoquina

French Descriptors: *Staphylococcus aureus*; Peptidoglycane; Lipoteichoïque acide; Activité biologique; Facteur necrose tumorale alpha ; Interleukine 6; Interleukine 10; Lymphocyte T; Monocyte; Homme; Relation hôte agent; In vitro

Classification Codes: 002A05B10

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20/6/55 (Item 7 from file: 144) Links

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12594098 PASCAL No.: 96-0280471

Lipoteichoic acid preparations of gram-positive bacteria induce interleukin-12 through a CD14-dependent pathway

1996

English Descriptors: Human; Monocyte; *Streptococcus pneumoniae*; *Staphylococcus aureus*; *Streptococcus pyogenes*; Cell wall; Lipoteichoic acid; Interleukin 12; Induction; T-Lymphocyte

Broad Descriptors: Streptococcaceae; Micrococcales; Bacteria; Micrococcaceae; Cytokine; Gram positive bacteria; Host agent relation; Cell line; Streptococcaceae; Micrococcales; Bacterie; Micrococcaceae; Cytokine; Bacterie Gram positif; Relation hôte agent; Lignée cellulaire; Streptococcaceae; Micrococcales; Bacteria; Micrococcaceae; Citoquina; Bacteria Gram positiva; Relacion huesped agente; Línea celular

French Descriptors: Homme; Monocyte; *Streptococcus pneumoniae*; *Staphylococcus aureus*; *Streptococcus pyogenes*; Paroi cellulaire; Lipoteichoïque acide; Interleukine 12; Induction; Lymphocyte T; Antigène CD4; Lignée THP1

Classification Codes: 002A05B10

20/6/56 (Item 8 from file: 144) Links
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06100280 PASCAL No.: 85-0361907

(Analyse comparative de serum pour determiner la presence d'anticorps
contre la preparation d'acide teichoique et de DNA de Staphylococcus aureus
)

(Comparative analysis of sera for the presence of antibodies to
the preparation of Staphylococcus aureus teichoic acids and DNA)

1985

English Descriptors: Staphylococcus aureus; Serum; Antibody;
DNA; Techoic acid; Ratio; ELISA assay; Comparative study; Enzyme
immunoassay; Immunological method; Human origin
Broad Descriptors: Micrococcaceae; Micrococcales; Bacteria; Micrococcaceae;
Micrococcales; Bacterie; Bacteria

French Descriptors: Staphylococcus aureus; Serum; Anticorps; DNA;
Teichoique acide; Taux; Technique ELISA; Etude comparative; Methode
immunoenzymatique; Methode immunologique; Origine humaine

Classification Codes: 002A05B14; 215C07

20/6/57 (Item 9 from file: 144) Links
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06100279 PASCAL No.: 85-0361906

(Detection des anticorps diriges contre l'acide teichoique de la paroi
cellulaire de Staphylococcus aureus dans le serum de patients atteints
d'osteomyelite)

(Detection of antibodies to teichoic acids of the cell wall of
Staphylococcus aureus in the sera of osteomyelitis patients)

1985

English Descriptors: Techoic acid; Cell wall; Staphylococcus
aureus; Antibody; Detection; Serum; Osteitis; ELISA assay;
Diseases of the osteoarticular system; Staphylococcal infection; Enzyme
immunoassay; Immunological method; Human
Broad Descriptors: Micrococcaceae; Micrococcales; Bacteria; Bacteriosis;
Infection; Micrococcaceae; Micrococcales; Bacterie; Bacteriose; Infection
; Bacteria; Bacteriosis

French Descriptors: Teichoique acide; Paroi cellulaire; Staphylococcus
aureus; Anticorps; Detection; Serum; Osteite; Technique ELISA;
Systeme osteoarticulaire pathologie; Staphylococcie; Methode
immunoenzymatique; Methode immunologique; Homme

Classification Codes: 002B05B02J

20/6/58 (Item 10 from file: 144) Links
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06036500 PASCAL No.: 85-0298047

Ontogeny of IgG2 antibodies against S. aureus teichoic acid in
normal and immunodeficient children

1985

English Descriptors: Immune deficiency; IgG2; Child; Antibody;
Staphylococcus aureus; Teichoic acid; Immunopathology;
Hemopathy
Broad Descriptors: Human; Micrococcaceae; Micrococcales; Bacteria; Homme;
Micrococcaceae; Micrococcales; Bacterie; Bacteria
French Descriptors: Immunodeficit; IgG2; Enfant; Anticorps;
Staphylococcus aureus; Teichoique acide; Immunopathologie;
Hemopathie

Classification Codes: 002B06D01

20/6/59 (Item 11 from file: 144) Links
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05740209 PASCAL No.: 84-0241219

Comparison of anti-alpha-haemolysin and teichoic acid antibody
tests in patients with Staphylococcus aureus endocarditis or bacteraemia

1984

English Descriptors: Endocarditis; Staphylococcus aureus; Bacteremia
; Hemolysin; Teichoic acid; Antibody; Comparative study;
Infection; Bacteriosis; Immunological investigation; Cardiovascular
disease; Human
French Descriptors: Endocardite; Staphylococcus aureus; Bacteriemie;
Hemolysine; Teichoique acide; Anticorps; Etude comparative; Infection;
Bacteriose; Exploration immunologique; Appareil circulatoire pathologie;
Homme

Classification Codes: 002B05B02D

20/6/60 (Item 12 from file: 144) Links
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05343901 PASCAL No.: 85-0043912

Commercially available (ENDO-STAPH) assay for teichoic acid antibodies. Evaluation in patients with serious Staphylococcus aureus infections and in controls

1984

English Descriptors: Teichoic acid; Antibody; Kit;
Staphylococcus aureus; Multitest; Staphylococcal infection
Broad Descriptors: Micrococcaceae; Micrococcales; Bacteria; Bacteriosis;
Infection; Micrococcaceae; Micrococcales; Bacterie; Bacteriose; Infection
; Bacteria; Bacteriosis

French Descriptors: Teichoïque acide; Anticorps; Kit; Staphylococcus aureus; Multitest; Staphylococcie; ENDO-STAPH system

Classification Codes: 002A05B14

20/6/61 (Item 13 from file: 144) Links
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05333515 PASCAL No.: 85-0033521

Comparison of a new enzyme-linked immunosorbent assay method with counterimmunoelectrophoresis for detection of teichoic acid antibodies in sera from patients with Staphylococcus aureus infections

1984

English Descriptors: Staphylococcus aureus; Staphylococcal infection
; ELISA assay; Immunoelctrodiffusion; Detection; Antibody;
Teichoic acid; Serum; Comparative study; Diagnostic; Human; Enzyme immunoassay; Immunological method
Broad Descriptors: Micrococcaceae; Micrococcales; Bacteria; Bacteriosis;
Infection; Micrococcaceae; Micrococcales; Bacterie; Bacteriose; Infection
; Bacteria; Bacteriosis

French Descriptors: Staphylococcus aureus; Staphylococcie; Technique ELISA; Electroimmunodiffusion; Detection; Anticorps; Teichoïque acide; Serum; Etude comparative; Diagnostic; Homme; Methode immunoenzymatique; Methode immunologique

Classification Codes: 002A05B14

20/6/62 (Item 14 from file: 144) Links
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05129766 PASCAL No.: 83-0391448

Detection of antibody to Staphylococcus aureus teichoic acid by

monoantibodysearch.txt
enzyme-linked immunosorbent assay

1983

English Descriptors: Staphylococcus aureus; Teichoic acid;
Antibody; Identification; ELISA assay; Bacteria; Enzyme
immunoassay; Immunological method

French Descriptors: Staphylococcus aureus; Teichoïque acide;
Anticorps; Identification; Technique ELISA; Bactérie; Méthode
immunoenzymatique; Méthode immunologique

Classification Codes: 340A08A04

20/6/63 (Item 15 from file: 144) Links
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05047369 PASCAL No.: 83-0304611

Occurrence of antibodies to teichoic acid in patients with
diseases other than staphylococcal infection

1983

English Descriptors: Staphylococcus aureus; Antibody;
Teichoic acid; Diagnostic; Ratio; Serological method;
Staphylococcal infection; Bacteriosis; Infection; Human; Arthritis;
Hepatic disease; Digestive diseases

French Descriptors: Staphylococcus aureus; Anticorps; Teichoïque
acide; Diagnostic; Taux; Méthode sérologique; Staphylococcie; Bactériose;
Infection; Homme; Arthrite; Foie pathologie; Appareil digestif pathologie

Classification Codes: 340A06D

20/6/64 (Item 16 from file: 144) Links
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03735673 PASCAL No.: 82-0256065

TEICHOIC ACID ANTIBODY AND CIRCULATING IMMUNE COMPLEXES IN THE
MANAGEMENT OF STAPHYLOCOCCUS AUREUS BACTEREMIA

1981

English Descriptors: STAPHYLOCOCCAL INFECTION; STAPHYLOCOCCUS AUREUS
; BACTEREMIA; IMMUNE COMPLEXE; ANTIBODY; TEICHOIC ACID;
SEROLOGICAL METHOD; CHEMOTHERAPY; DIAGNOSTIC; BACTERIOSIS; INFECTION;
HUMAN; TREATMENT; IMMUNE COMPLEX
English Generic Descriptors: MICROBIOLOGY

monoantibodysearch.txt

French Descriptors: STAPHYLOCOCCIE; STAPHYLOCOCCUS AUREUS;
BACTERIEMIE; IMMUNCOMPLEXE; ANTICORPS; TEICHOIQUE ACIDE; METHODE
SEROLOGIQUE; CHIMIOTHERAPIE; DIAGNOSTIC; BACTERIOSE; INFECTION; HOMME;
TRAITEMENT
French Generic Descriptors: MICROBIOLOGIE

Classification Codes: 340A08A04

20/6/65 (Item 17 from file: 144) Links
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03205047 PASCAL No.: 81-0241979

TECHNICAL ASPECTS OF THE STAPHYLOCOCCUS AUREUS TEICHOIC ACID
ANTIBODY ASSAY: GEL DIFFUSION AND COUNTERIMMUNOELECTROPHORETIC
ASSAYS ANTIGEN PREPARATION, ANTIGEN SELECTION, CONCENTRATION EFFECTS, AND
CROSS-REACTIONS WITH OTHER ORGANISMS

1981

English Descriptors: ANTIBODY; ANTIGEN; BACTERIA; BACTERIOSIS;
CONCENTRATION; DIAGNOSTIC; ANALYTICAL DETERMINATION; CRITICAL REVIEW;
IMMUNOELECTROPHORESIS; IMMUNOPRECIPITATION REACTION; INFECTION; METHOD;
IMMUNOLOGICAL METHOD; CELL WALL; POLYMER; PREPARATION; CROSS REACTION;
STAPHYLOCOCCAL INFECTION; STAPHYLOCOCCUS AUREUS; TEICHOIC
ACID

English Generic Descriptors: MICROBIOLOGY

French Descriptors: STAPHYLOCOCCUS AUREUS; STAPHYLOCOCCIE;
DIAGNOSTIC; METHODE IMMUNOLOGIQUE; DOSAGE; ANTICORPS; TEICHOIQUE ACIDE;
REACTION CROISEE; IMMUNOPRECIPITATION; IMMUNOELECTROPHORESE; PREPARATION;
ANTIGENE; CONCENTRATION; ETUDE CRITIQUE; BACTERIE; BACTERIOSE; INFECTION;
METHODE; PAROI CELLULAIRE; POLYMER
French Generic Descriptors: MICROBIOLOGIE

Classification Codes: 340A08A04

20/6/66 (Item 18 from file: 144) Links
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02820464 PASCAL No.: 80-0350169

DIAGNOSTIC SEROLOGIQUE DES INFECTIONS A STAPHYLOCOCCUS AUREUS PAR DOSAGE
DES ANTICORPS ANTI-ACIDE TEICHOIQUE ABETA
1980

English Descriptors: ANTIBODY; BACTERIOSIS; DIAGNOSTIC; ANALYTICAL
DETERMINATION; IMMUNOELECTRODIFFUSION; INFECTION; IMMUNOLOGICAL METHOD;
BLOOD; STAPHYLOCOCCAL INFECTION; STAPHYLOCOCCUS AUREUS; RAPID
TECHNIQUE; TEICHOIC ACID

English Generic Descriptors: MICROBIOLOGY

French Descriptors: STAPHYLOCOCCIE; STAPHYLOCOCCUS AUREUS;

monoantibodysearch.txt

DIAGNOSTIC; DOSAGE; ANTICORPS; TEICHOIQUE ACIDE; ELECTROIMMUNODIFFUSION;
TECHNIQUE RAPIDE; SANG; BACTERIOSE; INFECTION; METHODE IMMUNOLOGIQUE;
TEST SEROLOGIQUE

French Generic Descriptors: MICROBIOLOGIE

Classification Codes: 340A08A04

20/6/67 (Item 19 from file: 144) Links

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02787745 PASCAL No.: 80-0333413

PROGNOSTIC VALUE OF TEICHOIC ACID ANTIBODIES IN STAPHYLOCOCCUS
AUREUS BACTEREMIA: A REASSESSMENT

1980

English Descriptors: ANTIBACTERIAL AGENT; ANTIBODY; BACTEREMIA;
BACTERIOSIS; CHEMOTHERAPY; IMMUNOELECTRODIFFUSION; INFECTION; BIOLOGICAL
FLUID; IMMUNOLOGICAL METHOD; APPLICATION METHOD; PROGNOSIS; BLOOD;
STAPHYLOCOCCAL INFECTION; STAPHYLOCOCCUS AUREUS; TEICHOIC
ACID; PRECIPITATION TEST; TREATMENT

English Generic Descriptors: MICROBIOLOGY

French Descriptors: BACTERIEMIE; STAPHYLOCOCCUS AUREUS; PRONOSTIC;
ANTICORPS; TEICHOIQUE ACIDE; TAUX; SANG; ELECTROIMMUNODIFFUSION;
ANTIBACTERIEN; CHIMIOTHERAPIE; MODALITE TRAITEMENT; TEST PRECIPITATION;
METHODE IMMUNOLOGIQUE; TRAITEMENT; STAPHYLOCOCCIE; BACTERIOSE; INFECTION;
LIQUIDE BIOLOGIQUE

French Generic Descriptors: MICROBIOLOGIE

Classification Codes: 340A08A04

20/6/68 (Item 20 from file: 144) Links

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02706382 PASCAL No.: 80-0144880

TITRE DES ANTICORPS ANTI-ACIDE RIBITOL TEICHOIQUE DE STAPHYLOCOCCUS
AUREUS DANS DES POPULATIONS TEMOINS

1979

English Descriptors: ANTIBODY; BACTERIOSIS; DIAGNOSTIC; ANALYTICAL
DETERMINATION; IMMUNOELECTRODIFFUSION; HUMAN; BIOLOGICAL FLUID;
IMMUNOLOGICAL METHOD; BLOOD; STAPHYLOCOCCAL INFECTION; STAPHYLOCOCCUS
AUREUS; TEICHOIC ACID

English Generic Descriptors: MICROBIOLOGY

French Descriptors: STAPHYLOCOCCIE; STAPHYLOCOCCUS AUREUS; ANTICORPS
; TEICHOIQUE ACIDE; SANG; DOSAGE; ELECTROIMMUNODIFFUSION; DIAGNOSTIC;
HOMME; BACTERIOSE; TEST SEROLOGIQUE; METHODE IMMUNOLOGIQUE; LIQUIDE
BIOLOGIQUE

French Generic Descriptors: MICROBIOLOGIE

Classification Codes: 340A08A04

20/6/69 (Item 21 from file: 144) Links
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02344386 PASCAL No.: 79-0401205

ASSOCIATION OF TEICHOIC ACID ANTIBODY WITH METASTATIC SEQUELAE OF
CATHETER-ASSOCIATED STAPHYLOCOCCUS AUREUS BACTEREMIA. A FAILURE OF THE
TWO-WEEK ANTIBIOTIC TREATMENT

1979

English Descriptors: ANTIBIOTIC; ANTIBODY; BACTEREMIA; CATHETER;
COMPLICATION; SCREENING; EVOLUTION; HUMAN; HOSPITAL; INFECTION;
METASTASIS; INFECTION MODALITY; OBSERVATION; SEQUELA; STAPHYLOCOCCAL
INFECTION; STAPHYLOCOCCUS AUREUS; TECHOIC ACID; TREATMENT
English Generic Descriptors: MICROBIOLOGY

French Descriptors: BACTERIEMIE; MODE INFECTION; CATHETER; OBSERVATION;
INFECTION; STAPHYLOCOCCUS AUREUS; STAPHYLOCOCCIE; TRAITEMENT;
ANTIBIOTIQUE; EVOLUTION; ANTICORPS; COMPLICATION; DEPISTAGE; SEQUELLE;
HOMME; METASTASE; HOPITAL; TEICHOIQUE ACIDE
French Generic Descriptors: MICROBIOLOGIE

Classification Codes: 340A04K

20/6/70 (Item 22 from file: 144) Links
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02276958 PASCAL No.: 79-0239413

COUNTERIMMUNOELECTROPHORETIC DETECTION OF A HIGH INCIDENCE OF PRECIPITIN
REACTIONS IN NORMAL HUMAN SERA AGAINST STAPHYLOCOCCAL TEICHOIC ACIDS AND
PROTEIN A

1978

English Descriptors: ANTIBODY; ANTIGEN; APPLICATION; BACTERIA;
IMMUNOELECTRODIFFUSION; HUMAN; IDENTIFICATION; IMMUNOLOGICAL METHOD;
NORMAL; PROTEINS; A-PROTEIN; SERUM; STAPHYLOCOCCUS AUREUS;
TECHOIC ACID
English Generic Descriptors: MICROBIOLOGY

French Descriptors: STAPHYLOCOCCUS AUREUS; ANTICORPS;
ELECTROIMMUNODIFFUSION; IDENTIFICATION; SERUM; HOMME; NORMAL; TEICHOIQUE
ACIDE; PROTEINE; ANTIGENE; APPLICATION; BACTERIE; METHODE IMMUNOLOGIQUE;
PROTEINE A
French Generic Descriptors: MICROBIOLOGIE

Classification Codes: 340A08A04

20/6/71 (Item 23 from file: 144) Links
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01988616 PASCAL No.: 78-0240124

STAPHYLOCOCCUS AUREUS BACTEREMIA: RELATIONSHIP BETWEEN FORMATION OF
ANTIBODIES TO TECHOIC ACID AND DEVELOPMENT OF METASTATIC ABSCESES.

1978

English Descriptors: ABSCESS; ANTIBODY; BACTEREMIA; BACTERIOSIS;
COMPLICATION; HUMAN; METASTASIS; STAPHYLOCOCCAL INFECTION;
STAPHYLOCOCCUS AUREUS; TECHOIC ACID
English Generic Descriptors: MICROBIOLOGY

French Descriptors: BACTERIEMIE; STAPHYLOCOCCUS AUREUS; ANTICORPS;
TEICHOIQUE ACIDE; COMPLICATION; ABCES; METASTASE; HOMME; STAPHYLOCOCCIE;
BACTERIOSE
French Generic Descriptors: MICROBIOLOGIE

Classification Codes: 340A08A04

20/6/72 (Item 24 from file: 144) Links
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01988552 PASCAL No.: 78-0240060

TEICHOIC ACID ANTIBODY TEST. ITS USE IN PATIENTS WITH
COAGULASE-POSITIVE STAPHYLOCCAL BACTEREMIA.

1977

English Descriptors: ANTIBODY; BACTEREMIA; BACTERIOSIS; DIAGNOSTIC;
HUMAN; BLOOD; STAPHYLOCOCCAL INFECTION; STAPHYLOCOCCUS AUREUS;
TECHOIC ACID
English Generic Descriptors: MICROBIOLOGY

French Descriptors: BACTERIEMIE; STAPHYLOCOCCUS AUREUS; HOMME;
ANTICORPS; TEICHOIQUE ACIDE; TAUX; SANG; DIAGNOSTIC; STAPHYLOCOCCIE;
BACTERIOSE; SOUCHE COAGULASE POSITIVE
French Generic Descriptors: MICROBIOLOGIE

Classification Codes: 340A08A04

20/6/73 (Item 25 from file: 144) Links
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01927648 PASCAL No.: 78-0098275

TEICHOIC ACIDS IN PATHOGENIC STAPHYLOCOCCUS AUREUS.

1977

English Descriptors: ANTIBODY; BACTERIA; BACTERIOSIS; HEART DISEASE;
ENDOCARDITIS; HUMAN; PATHOGEN; BLOOD; STRAIN; STAPHYLOCOCCAL INFECTION;
STAPHYLOCOCCUS AUREUS; TECHOIC ACID
English Generic Descriptors: MICROBIOLOGY

French Descriptors: ENDOCARDITE; STAPHYLOCOCCUS AUREUS; ANTICORPS;
TEICHOIQUE ACIDE; TAUX; SANG; SOUCHE; PATHOGENE; HOMME; STAPHYLOCOCCIE;
CARDIOPATHIE; BACTERIOSE; BACTERIE
French Generic Descriptors: MICROBIOLOGIE

Classification Codes: 340A08A04

20/6/74 (Item 26 from file: 144) Links
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01049840 PASCAL No.: 76-0271597

TEICHOIC ACID ANTIBODIES IN THE DIAGNOSIS OF SERIOUS INFECTIONS
WITH STAPHYLOCOCCUS

1976

English Descriptors: ANTIBODY; DIAGNOSTIC; HUMAN; STAPHYLOCOCCAL
INFECTION; STAPHYLOCOCCUS AUREUS; TECHOIC ACID
English Generic Descriptors: MICROBIOLOGY

French Descriptors: STAPHYLOCOCCIE; ANTICORPS; DIAGNOSTIC; HOMME;
STAPHYLOCOCCUS AUREUS; TEICHOIQUE ACIDE
French Generic Descriptors: MICROBIOLOGIE

Classification Codes: 340A08A02D

>>>W: "FREE" is not a valid format name in file(s): 399

20/6/75 (Item 27 from file: 144) Links
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00146549 PASCAL No.: 73-0009146

TEICHOIC ACID ANTIBODIES IN STAPHYLOCOCCAL AND NONSTAPHYLOCOCCAL
ENDOCARDITIS
(ANTICORPS CONTRE LES ACIDES TEICHOIQUES DANS L'ENDOCARDITE
STAPHYLOCOCCIQUE ET NON STAPHYLOCOCCIQUE)

1972

English Descriptors: BACTERIA; BACTERIOSIS; HEART DISEASE; ENDOCARDITIS;
IMMUNOLOGY; STAPHYLOCOCCAL INFECTION; STAPHYLOCOCCUS AUREUS;
TECHOIC ACID

English Generic Descriptors: MICROBIOLOGY

French Descriptors: ENDOCARDITE; STAPHYLOCOCCIE; STAPHYLOCOCCUS
AUREUS; ANTICORPS ANTIBACTERIE; IMMUNOLOGIE; TEICHOIQUE ACIDE;
COAGULASE; BACTERIOSE; BACTERIE; CARDIOPATHIE; ANTICORPS ANTIACIDE
TEICHOIQUE

French Generic Descriptors: MICROBIOLOGIE

Classification Codes: 340A08A01D

20/6/76 (Item 1 from file: 155) Links

MEDLINE(R)

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20305471 PMID: 16521278

Lipoteichoic acid (LTA) from Staphylococcus aureus stimulates human neutrophil
cytokine release by a CD14-dependent, Toll-like-receptor-independent mechanism:
Autocrine role of tumor necrosis factor-[alpha] in mediating LTA-induced
interleukin-8 generation.

Mar 2006

Descriptors: *Cytokines--biosynthesis--BI; *Lipopolysaccharides--immunology--IM;
*Neutrophils--metabolism--ME; *Sepsis--immunology--IM; *Staphylococcal
Infections--immunology--IM; *Teichoic Acids--immunology--IM ; Analysis of Variance;
Antigens, CD14--immunology--IM; Cells, Cultured; Humans;
Interleukin-10--immunology--IM; Interleukin-8--biosynthesis--BI;
Neutrophils--immunology--IM; Research Support, Non-U.S. Gov't; Staphylococcus
aureus--immunology--IM; Staphylococcus aureus --metabolism--ME; Toll-Like
Receptors--immunology--IM; Tumor Necrosis Factor-alpha--immunology--IM
CAS Registry No.: 0 (Antigens, CD14); 0 (Cytokines); 0 (Interleukin-8); 0
(Lipopolysaccharides); 0 (Teichoic Acids); 0 (Toll-Like Receptors); 0 (Tumor
Necrosis Factor-alpha); 130068-27-8 (Interleukin-10); 56411-57-5 (lipoteichoic acid)

20/6/77 (Item 2 from file: 155) Links

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19906295 PMID: 16043646

Mechanisms of cardiac depression caused by lipoteichoic acids from Staphylococcus
aureus in isolated rat hearts.

Aug 2 2005

Tags: Male

Descriptors: *Heart--microbiology--MI; *Heart Failure, Congestive--microbiology--MI;
*Lipopolysaccharides; *Staphylococcus aureus--physiology--PH; *Teichoic Acids ;
Animals; Disease Models, Animal; Gene Expression Regulation; Heart Failure,
Congestive--chemically induced--CI; In Vitro; RNA, Messenger--genetics--GE; Rats;
Rats, Wistar; Research Support, Non-U.S. Gov't; Tumor Necrosis
Factor-alpha--genetics--GE
CAS Registry No.: 0 (Lipopolysaccharides); 0 (RNA, Messenger); 0 (Teichoic Acids); 0
(Tumor Necrosis Factor-alpha); 56411-57-5 (lipoteichoic acid)

20/6/78 (Item 3 from file: 155) Links

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19540416 PMID: 16184199

Staphylococcal lipoteichoic acid inhibits delayed-type hypersensitivity reactions via the platelet-activating factor receptor.

Oct 2005

Descriptors: *Drug Hypersensitivity--immunology--IM; *Hypersensitivity, Delayed--immunology--IM; *Lipopolysaccharides--administration and dosage--AD; *Platelet Activating Factor--analogs and derivatives--AA; *Platelet Membrane Glycoproteins--agonists--AG; *Receptors, G-Protein-Coupled--agonists--AG; *Staphylococcus aureus; *Teichoic Acids--administration and dosage--AD; Animals; Calcium--immunology--IM; Cell Line; Dermatitis, Atopic--immunology--IM; Dermatitis, Atopic--microbiology--MI; Dermatitis, Atopic--pathology--PA; Dinitrofluorobenzene--adverse effects--AE; Drug Hypersensitivity--pathology--PA; Drug Synergism; Humans; Hypersensitivity, Delayed--chemically induced--CI; Hypersensitivity, Delayed--pathology--PA; Inflammation--chemically induced--CI; Inflammation--immunology--IM; Inflammation--pathology--PA; Interleukin-10--immunology--IM; Lipopolysaccharides--chemistry--CH; Mice; Mice, Knockout; Platelet Activating Factor--administration and dosage--AD; Platelet Membrane Glycoproteins--deficiency--DF; Platelet Membrane Glycoproteins--immunology--IM; Receptors, G-Protein-Coupled--deficiency--DF; Receptors, G-Protein-Coupled--immunology--IM; Research Support, N.I.H., Extramural; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.; Skin--immunology--IM; Skin--pathology--PA; Staphylococcal Infections--immunology--IM; Staphylococcal Infections--pathology--PA; Staphylococcus aureus--chemistry--CH; Staphylococcus aureus--immunology--IM; Teichoic Acids--chemistry--CH; Th1 Cells--immunology--IM; Th1 Cells--pathology--PA; Th2 Cells--immunology--IM; Th2 Cells--pathology--PA
CAS Registry No.: 0 (Lipopolysaccharides); 0 (Platelet Activating Factor); 0 (Platelet Membrane Glycoproteins); 0 (Receptors, G-Protein-Coupled); 0 (Teichoic Acids); 0 (platelet activating factor receptor); 130068-27-8 (Interleukin-10); 56411-57-5 (lipoteichoic acid); 70-34-8 (Dinitrofluorobenzene); 7440-70-2 (Calcium); 91575-58-5 (1-O-hexadecyl-2-N-methylcarbamol-sn-glycerol-3-phosphocholine)

20/6/79 (Item 4 from file: 155) Links

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15009057 PMID: 15285504

Differential effects of lipopolysaccharide and lipoteichoic acid on the primary antibody response to keyhole limpet hemocyanin of chickens selected for high or low antibody responses to sheep red blood cells.

Jul 2004

Descriptors: *Antibody Formation--drug effects--DE; *Chickens--genetics--GE; *Chickens--immunology--IM; *Hemocyanin--immunology--IM; *Lipopolysaccharides--pharmacology--PD; *Teichoic Acids--pharmacology--PD; Animals; Antibody Formation--genetics--GE; Erythrocytes--immunology--IM; Lipopolysaccharides--immunology--IM; Salmonella enteritidis--chemistry--CH; Selection (Genetics); Sheep--blood--BL; Staphylococcus aureus--chemistry--CH; Teichoic Acids--immunology--IM
CAS Registry No.: 0 (Lipopolysaccharides); 0 (Teichoic Acids); 0 (keyhole-limpet hemocyanin); 56411-57-5 (lipoteichoic acid); 9013-72-3 (Hemocyanin)

20/6/80 (Item 5 from file: 155) Links

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14774130 PMID: 14673018

Highly purified lipoteichoic acid activates neutrophil granulocytes and delays their spontaneous apoptosis via CD14 and TLR2.

Mar 2004

Descriptors: *Antigens, CD14--metabolism--ME; *Apoptosis--drug effects--DE;

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*Lipopolysaccharides--pharmacology--PD; *Membrane Glycoproteins--metabolism--ME;
*Neutrophil Activation--drug effects--DE; *Receptors, Cell Surface--metabolism--ME;
*Teichoic Acids--pharmacology--PD; Antigens, CD--biosynthesis--BI; Cell Size--drug
effects--DE; Granulocytes--cytology--CY; Granulocytes--drug effects--DE; Humans;
NF-kappa B--metabolism--ME; Neutrophils--cytology--CY; Neutrophils--drug
effects--DE; Reactive Oxygen Species--metabolism--ME; Research Support, Non-U.S.
Gov't; Staphylococcus aureus--chemistry--CH; Toll-Like Receptor 2; Toll-Like
Receptor 4; Toll-Like Receptors
CAS Registry No.: 0 (Antigens, CD); 0 (Antigens, CD14); 0 (Lipopolysaccharides); 0
(Membrane Glycoproteins); 0 (NF-kappa B); 0 (Reactive Oxygen Species); 0 (Receptors,
Cell Surface); 0 (TLR2 protein, human); 0 (TLR4 protein, human); 0 (Teichoic Acids);
0 (Toll-Like Receptor 2); 0 (Toll-Like Receptor 4); 0 (Toll-Like Receptors);
56411-57-5 (lipoteichoic acid)

20/6/81 (Item 6 from file: 155) Links

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14497159 PMID: 14500472

Pneumococcal lipoteichoic acid (LTA) is not as potent as staphylococcal LTA in
stimulating Toll-like receptor 2.

Oct 2003

Descriptors: *Lipopolysaccharides--toxicity--TO; *Membrane Glycoproteins--drug
effects--DE; *Membrane Glycoproteins--immunology--IM; *Receptors, Cell Surface
--drug effects--DE; *Receptors, Cell Surface--immunology--IM; *Staphylococcus
aureus--pathogenicity--PY; *Streptococcus pneumoniae--pathogenicity--PY; *Teichoic
Acids--toxicity--TO; Animals; Antigens, CD14--metabolism--ME; CHO Cells;
Comparative Study; Cricetinae; Humans; In Vitro; Leukocytes, Mononuclear--drug
effects--DE; Leukocytes, Mononuclear--immunology--IM;
Lipopolysaccharides--chemistry--CH; Lipopolysaccharides--immunology--IM; NF-kappa
B--metabolism--ME; Receptors, Interleukin-2--metabolism--ME; Research Support,
Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.; Species Specificity;
Staphylococcus aureus--immunology--IM; Streptococcus pneumoniae--immunology--IM;
Teichoic Acids--chemistry--CH; Teichoic Acids--immunology--IM; Toll-Like Receptor
1; Toll-Like Receptor 2; Toll-Like Receptor 4; Toll-Like Receptors; Tumor Necrosis
Factor-alpha--biosynthesis--BI
CAS Registry No.: 0 (Antigens, CD14); 0 (Lipopolysaccharides); 0 (Membrane
Glycoproteins); 0 (NF-kappa B); 0 (Receptors, Cell Surface); 0 (Receptors,
Interleukin-2); 0 (TLR2 protein, human); 0 (TLR4 protein, human); 0 (Teichoic
Acids); 0 (Toll-Like Receptor 1); 0 (Toll-Like Receptor 2); 0 (Toll-Like Receptor
4); 0 (Toll-Like Receptors); 0 (Tumor Necrosis Factor-alpha); 56411-57-5
(lipoteichoic acid)

20/6/82 (Item 7 from file: 155) Links

MEDLINE(R)

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14211135 PMID: 12631524

Oxidative burst mediated by toll like receptors (TLR) and CD14 on avian heterophils
stimulated with bacterial toll agonists.

May 2003

Tags: Male

Descriptors: *Antigens, CD14--physiology--PH; *Chickens--immunology--IM;
*Granulocytes--immunology--IM; *Lipopolysaccharides--pharmacology--PD; *Membrane
Glycoproteins--physiology--PH; *Phagocytes--immunology--IM; *Receptors, Cell
Surface--physiology--PH; *Respiratory Burst; Animals; Antigens,
CD14--immunology--IM; Chemiluminescent Measurements; Dose-Response Relationship,
Immunologic; Granulocytes--drug effects--DE; Humans; Luminol--chemistry--CH;
Membrane Glycoproteins--agonists--AG; Membrane Glycoproteins--immunology--IM;
Phagocytes--drug effects--DE; Receptors, Cell Surface--agonists--AG; Receptors, Cell
Surface--immunology--IM; Salmonella enteritidis--pathogenicity--PY; Staphylococcus

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aureus--pathogenicity--PY; Teichoic Acids--pharmacology--PD; Toll-Like Receptor 2;
Toll-Like Receptor 4; Toll-Like Receptors
CAS Registry No.: 0 (Antigens, CD14); 0 (Lipopolysaccharides); 0 (Membrane
Glycoproteins); 0 (Receptors, Cell Surface); 0 (TLR2 protein, human); 0 (TLR4
protein, human); 0 (Teichoic Acids); 0 (Toll-Like Receptor 2); 0 (Toll-Like Receptor
4); 0 (Toll-Like Receptors); 521-31-3 (Luminol); 56411-57-5 (lipoteichoic acid)

20/6/83 (Item 8 from file: 155) Links

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13813047 PMID: 12091427

Lipoteichoic acid selectively induces the ERK signaling pathway in the cornea.

Jul 2002

Descriptors: *Corneal Stroma--drug effects--DE;

*Lipopolysaccharides--pharmacology--PD; *Mitogen-Activated Protein Kinase
Kinases--metabolism--ME; *Mitogen-Activated Protein Kinases--metabolism--ME;
*Protein-Serine-Threonine Kinases--metabolism--ME; *Protein-Tyrosine Kinase
--metabolism--ME; *Proto-Oncogene Proteins c-raf--metabolism--ME; *Signal
Transduction--drug effects--DE; *Teichoic Acids--pharmacology--PD; Adult; Aged;
Blotting, Western; Cells, Cultured; Corneal Stroma--cytology --CY; Corneal
Stroma--metabolism--ME; Dose-Response Relationship, Drug; Electrophoretic Mobility
Shift Assay; Fibroblasts--drug effects--DE; Fibroblasts--metabolism--ME; Gene
Expression--physiology--PH; Humans; MAP Kinase Kinase 1; MAP Kinase Kinase 2; Middle
Aged; Mitogen-Activated Protein Kinase 3; Research Support, Non-U.S. Gov't;
Staphylococcus aureus; Time Factors
CAS Registry No.: 0 (Lipopolysaccharides); 0 (Teichoic Acids); 56411-57-5
(lipoteichoic acid)
Enzyme No.: EC 2.7.1.- (MAP Kinase Kinase 1); EC 2.7.1.- (MAP Kinase Kinase 2); EC
2.7.1.- (MAP2K1 protein, human); EC 2.7.1.- (MAP2K2 protein, human); EC 2.7.1.-
(Mitogen-Activated Protein Kinase Kinases); EC 2.7.1.112 (Protein-Tyrosine Kinase);
EC 2.7.1.37 (Mitogen-Activated Protein Kinase 3); EC 2.7.1.37 (Mitogen-Activated
Protein Kinases); EC 2.7.1.37 (Protein-Serine-Threonine Kinases); EC 2.7.1.37
(Proto-Oncogene Proteins c-raf)

20/6/84 (Item 9 from file: 155) Links

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12751781 PMID: 10858210

Peptidoglycan and lipoteichoic acid from Staphylococcus aureus induce tumor necrosis
factor alpha, interleukin 6 (IL-6), and IL-10 production in both T cells and
monocytes in a human whole blood model.

Jul 2000

Descriptors: *Cytokines--blood--BL; *Lipopolysaccharides--pharmacology--PD;
*Monocytes --drug effects--DE; *Monocytes--immunology--IM; *Peptidoglycan
--pharmacology--PD; *Staphylococcus aureus--immunology--IM; * Staphylococcus
aureus--pathogenicity--PY; *T-Lymphocytes--drug effects--DE;
*T-Lymphocytes--immunology--IM; *Teichoic Acids--pharmacology --PD; Antigens,
CD14--blood--BL; Dose-Response Relationship, Drug; Humans; In Vitro;
Interleukin-10--blood--BL; Interleukin-10--genetics--GE; Interleukin-6--blood--BL;
Interleukin-6--genetics--GE; Kinetics; Lipopolysaccharides--administration and
dosage--AD; Lipopolysaccharides --isolation and purification--IP;
Monocytes--metabolism--ME; Peptidoglycan --administration and dosage--AD;
Peptidoglycan--isolation and purification --IP; RNA, Messenger--genetics--GE; RNA,
Messenger--metabolism--ME; Research Support, Non-U.S. Gov't;
T-Lymphocytes--metabolism--ME; Teichoic Acids--administration and dosage--AD;
Teichoic Acids--isolation and purification--IP; Tumor Necrosis
Factor-alpha--biosynthesis--BI; Tumor Necrosis Factor-alpha--genetics--GE
CAS Registry No.: 0 (Antigens, CD14); 0 (Cytokines); 0 (Interleukin-6); 0
(Lipopolysaccharides); 0 (Peptidoglycan); 0 (RNA, Messenger); 0 (Teichoic Acids); 0

monoantibodysearch.txt
(Tumor Necrosis Factor-alpha); 130068-27-8 (Interleukin-10); 56411-57-5
(lipoteichoic acid)

20/6/85 (Item 10 from file: 155) Links
MEDLINE(R)
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12260062 PMID: 9925653
Lipoproteins inhibit macrophage activation by lipoteichoic acid.

Feb 1999
Descriptors: *Lipopolysaccharides--antagonists and inhibitors--AI; *Lipoproteins
--pharmacology--PD; *Macrophage Activation--drug effects--DE; *Teichoic
Acids--antagonists and inhibitors--AI ; Animals; Antibodies--metabolism--ME;
Antibodies --pharmacology--PD; Carrier Proteins--pharmacology--PD; Cell Line;
Dose-Response Relationship, Drug; Humans; Lipopolysaccharides--metabolism --ME;
Lipopolysaccharides--pharmacology--PD; Lipoproteins--blood--BL; Macrophage
Activation--physiology--PH; Macrophages--cytology--CY; Macrophages--drug
effects--DE; Mice; Research Support, U.S. Gov't, Non-P.H.S.; Research Support, U.S.
Gov't, P.H.S.; Soybean Oil--pharmacology --PD; Staphylococcus aureus--chemistry--CH;
Teichoic Acids --pharmacology--PD; Tumor Cells, Cultured; Tumor Necrosis
Factor-alpha --secretion--SE
CAS Registry No.: 0 (Antibodies); 0 (Carrier Proteins); 0 (Lipopolysaccharides); 0
(Lipoproteins); 0 (Teichoic Acids); 0 (Tumor Necrosis Factor-alpha); 0 (soybean oil);
56411-57-5 (lipoteichoic acid); 8001-22-7 (Soybean Oil)

20/6/86 (Item 11 from file: 155) Links
MEDLINE(R)
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12168584 PMID: 10582893
Antibiotic-induced cell wall fragments of Staphylococcus aureus increase endothelial
chemokine secretion and adhesiveness for granulocytes.

Dec 1999
Descriptors: *Anti-Bacterial Agents--pharmacology--PD; *Cell wall--chemistry--CH;
*Cell wall--drug effects--DE; *Chemokines--metabolism--ME; *Granulocytes--drug
effects--DE; *Granulocytes--metabolism--ME; *Staphylococcus aureus
--ultrastructure--UL ; Antibodies, Monoclonal--diagnostic use--DU; Cell Adhesion
--drug effects--DE; Enzyme-Linked Immunosorbent Assay; Flow Cytometry; Humans;
Intercellular Adhesion Molecule-1--biosynthesis--BI; Interleukin-8
--biosynthesis--BI; Monocyte Chemoattractant Protein-1--biosynthesis--BI;
Monocytes--drug effects--DE; Monocytes--metabolism--ME; Prostaglandins
--biosynthesis--BI; Staphylococcus aureus--drug effects--DE
CAS Registry No.: 0 (Anti-Bacterial Agents); 0 (Antibodies, Monoclonal); 0
(Chemokines) ; 0 (Interleukin-8); 0 (Monocyte Chemoattractant Protein-1); 0
(Prostaglandins); 126547-89-5 (Intercellular Adhesion Molecule-1)

20/6/87 (Item 12 from file: 155) Links
MEDLINE(R)
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11583204 PMID: 9429295
Altered immune response to staphylococcal antigens in long-lasting implanted mice.

1997
Descriptors: *Antibodies, Bacterial--blood--BL; *Antigens, Bacterial--immunology
--IM; *Implants, Experimental; *Lymphocytes--immunology--IM; * Staphylococcus
aureus--immunology--IM ; Animals; Biocompatible Materials; Cells, Cultured;
Immunoglobulin G--blood --BL; Immunoglobulin M--blood--BL; Lymph
Nodes--immunology--IM; Lymphocyte Activation; Mice; Mice, Inbred BALB C;
Polyethylenes; Prosthesis-Related Infections--immunology--IM; Staphylococcal
Infections--immunology--IM

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CAS Registry No.: 0 (Antibodies, Bacterial); 0 (Antigens, Bacterial); 0 (Biocompatible Materials); 0 (Immunoglobulin G); 0 (Immunoglobulin M); 0 (Polyethylenes)

20/6/88 (Item 13 from file: 155) Links

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11329545 PMID: 9144542

Induction of NO synthesis by lipoteichoic acid from Staphylococcus aureus in J774 macrophages: involvement of a CD14-dependent pathway.

Apr 17 1997

Descriptors: *Antigens, CD14--metabolism--ME;

*Lipopolysaccharides--pharmacology--PD; *Macrophages--drug effects--DE; *Nitric Oxide--biosynthesis--BI; *Teichoic Acids--pharmacology--PD ; Animals; Antibodies, Monoclonal; Antigens, CD14--immunology --IM; Antiviral Agents--pharmacology--PD; Enzyme Induction; Interferon Type II--pharmacology--PD; Macrophages--metabolism--ME; Mice; Nitrites --metabolism--ME; RNA, Messenger--metabolism--ME; Research Support, Non-U.S. Gov't; Staphylococcus aureus

CAS Registry No.: 0 (Antibodies, Monoclonal); 0 (Antigens, CD14); 0 (Antiviral Agents); 0 (Lipopolysaccharides); 0 (Nitrites); 0 (RNA, Messenger); 0 (Teichoic Acids); 10102-43-9 (Nitric Oxide); 56411-57-5 (lipoteichoic acid); 82115-62-6 (Interferon Type II)

20/6/89 (Item 14 from file: 155) Links

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11128863 PMID: 9082751

Systemic immune response to Streptococcal and Staphylococcal lipoteichoic acids in children with recurrent tonsillitis.

1996

Tags: Female; Male

Descriptors: *Immunoglobulin A--blood--BL; *Immunoglobulin G--blood--BL; *Immunoglobulin M--blood--BL; *Staphylococcus aureus--isolation and purification--IP; *Streptococcus pyogenes--isolation and purification--IP; *Tonsillitis --immunology--IM ; Child; Child, Preschool; Comparative Study; Enzyme-Linked Immunosorbent Assay; Humans; Infant; Infant, Newborn; Staphylococcus aureus --pathogenicity--PY; Streptococcus pyogenes--pathogenicity--PY; Tonsillitis --etiology--ET; Tonsillitis--microbiology--MI

CAS Registry No.: 0 (Immunoglobulin A); 0 (Immunoglobulin G); 0 (Immunoglobulin M)

20/6/90 (Item 15 from file: 155) Links

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10619327 PMID: 7479784

The cell wall components peptidoglycan and lipoteichoic acid from Staphylococcus aureus act in synergy to cause shock and multiple organ failure.

Oct 24 1995

Tags: Male

Descriptors: *Cell wall--chemistry--CH; *Hemodynamic Processes--drug effects--DE; *Lipopolysaccharides--toxicity--TO; *Multiple Organ Failure--microbiology --MI; *Peptidoglycan--toxicity--TO; *Shock, Septic--microbiology--MI; *Staphylococcal Infections; *Staphylococcus aureus--pathogenicity --PY; *Teichoic Acids--toxicity--TO ; Animals; Cell Line; Enzyme Induction--drug effects--DE; Interferon Type II --blood--BL; Isoenzymes--biosynthesis--BI; Lung--enzymology--EN; Macrophages; Mice; Multiple Organ Failure--physiopathology--PP; Nitric Oxide Synthase--biosynthesis--BI; Organ Specificity; Rats; Rats, Wistar; Research Support, Non-U.S. Gov't; Shock, Septic--physiopathology--PP; Staphylococcal

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Infections--physiopathology--PP; Staphylococcus aureus--physiology--PH; Tumor
Necrosis Factor-alpha--analysis--AN; Virulence
CAS Registry No.: 0 (Isoenzymes); 0 (Lipopolysaccharides); 0 (Peptidoglycan); 0
(Teichoic Acids); 0 (Tumor Necrosis Factor-alpha); 56411-57-5 (lipoteichoic acid);
82115-62-6 (Interferon Type II)
Enzyme No.: EC 1.14.13.39 (Nitric Oxide Synthase)

20/6/91 (Item 16 from file: 155) Links

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09936511 PMID: 7909266

Influence of staphylococcal lipoteichoic acid on the frustrated phagocytosis of
neutrophils against opsonized corneocytes.

Aug 1993

Descriptors: *Complement C3b--physiology--PH; *Epidermis--cytology--CY;
*Lipopolysaccharides--pharmacology--PD; *Macrophage-1 Antigen--physiology --PH;
*Neutrophils--drug effects--DE; *Opsonin Proteins--immunology--IM;
*Phagocytosis--drug effects--DE; *Receptors, Complement--physiology--PH; *
Staphylococcus aureus--chemistry--CH; *Teichoic Acids--pharmacology --PD ;
Antibodies, Monoclonal--immunology--IM; Antibodies, Monoclonal--pharmacology--PD;
Antigens, CD--immunology--IM; Antigens, CD11; Cell wall--chemistry--CH;
Chemiluminescent Measurements; Complement Pathway, Alternative; Humans;
Lipopolysaccharides--isolation and purification--IP; Neutrophils--physiology--PH;
Receptors, Complement --immunology--IM; Respiratory Burst--drug effects--DE;
Staphylococcal Skin Infections--physiopathology--PP; Teichoic Acids--isolation and
purification --IP
CAS Registry No.: 0 (Antibodies, Monoclonal); 0 (Antigens, CD); 0 (Antigens, CD11);
0 (Lipopolysaccharides); 0 (Macrophage-1 Antigen); 0 (Opsonin Proteins); 0
(Receptors, Complement); 0 (Teichoic Acids); 56411-57-5 (lipoteichoic acid);
80295-43-8 (Complement C3b)

20/6/92 (Item 17 from file: 155) Links

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07110355 PMID: 3529816

The mitogenic properties of lipoteichoic acid from Staphylococcus aureus.

Jun 1986

Descriptors: *Lipopolysaccharides; *Mitogens; *Phosphatidic Acids--pharmacology--PD;
* Staphylococcus aureus--analysis--AN; *Teichoic Acids--pharmacology --PD ;
Antilymphocyte Serum--pharmacology--PD; Fluorescent Antibody Technique; Humans;
Kinetics; Lymphocyte Activation--drug effects--DE; Lymphocytes--drug effects--DE;
Rosette Formation
CAS Registry No.: 0 (Antilymphocyte Serum); 0 (Lipopolysaccharides); 0 (Mitogens); 0
(Phosphatidic Acids); 0 (Teichoic Acids); 56411-57-5 (lipoteichoic acid)

20/6/93 (Item 18 from file: 155) Links

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06925485 PMID: 2424261

Antibodies to lipoteichoic acid from Staphylococcus aureus. Specificity of murine
monoclonal and human antibodies.

Dec 1985

Descriptors: *Lipopolysaccharides; *Phosphatidic Acids--immunology--IM; *
Staphylococcus aureus--immunology--IM; *Teichoic Acids--immunology --IM ; Animals;
Antibodies, Bacterial--blood--BL; Antibodies, Bacterial--cerebrospinal fluid--CF;
Antibodies, Monoclonal --diagnostic use--DU; Antibody Specificity; Binding;
Competitive; Cells, Cultured; Comparative Study; Enzyme-Linked Immunosorbent Assay;

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Epitopes--analysis--AN; Humans; Immunoglobulin Allotypes--immunology--IM; Mice; Mice, Inbred Strains; Multiple Sclerosis--blood--BL; Multiple Sclerosis--cerebrospinal fluid--CF
CAS Registry No.: 0 (Antibodies, Bacterial); 0 (Antibodies, Monoclonal); 0 (Epitopes); 0 (Immunoglobulin Allotypes); 0 (Lipopolysaccharides); 0 (Phosphatidic Acids); 0 (Teichoic Acids); 56411-57-5 (lipoteichoic acid)

20/6/94 (Item 19 from file: 155) Links

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06562781 PMID: 6516850

Antibodies to Staphylococcus aureus peptidoglycan and lipoteichoic acid in sera from blood donors and patients with staphylococcal infections.

Oct 1984

Descriptors: *Antibodies, Bacterial--analysis--AN; *Lipopolysaccharides; *Peptidoglycan--immunology--IM; *Phosphatidic Acids--immunology--IM; *Staphylococcal Infections--immunology--IM; *Staphylococcus aureus --immunology--IM; *Teichoic Acids--immunology--IM; Blood Donors; Endocarditis, Bacterial--immunology--IM; Enzyme-Linked Immunosorbent Assay; Humans; Immunoglobulin G--analysis--AN
CAS Registry No.: 0 (Antibodies, Bacterial); 0 (Immunoglobulin G); 0 (Lipopolysaccharides); 0 (Peptidoglycan); 0 (Phosphatidic Acids); 0 (Teichoic Acids); 56411-57-5 (lipoteichoic acid)

20/6/95 (Item 20 from file: 155) Links

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05654322 PMID: 6797247

Antibodies to staphylococcal lipoteichoic acid in serum and in cerebrospinal fluid from patients with multiple sclerosis.

Oct 1981

Descriptors: *Antibodies, Bacterial--analysis--AN; *Lipopolysaccharides; *Multiple Sclerosis--immunology--IM; *Phosphatidic Acids--immunology--IM; *Staphylococcus aureus--immunology--IM; *Teichoic Acids--immunology--IM; Antibodies, Bacterial--cerebrospinal fluid--CF; Hemagglutination Tests; Humans; Immunodiffusion; Immunoglobulin G--analysis--AN; Multiple Sclerosis--cerebrospinal fluid--CF
CAS Registry No.: 0 (Antibodies, Bacterial); 0 (Immunoglobulin G); 0 (Lipopolysaccharides); 0 (Phosphatidic Acids); 0 (Teichoic Acids); 56411-57-5 (lipoteichoic acid)

20/6/96 (Item 21 from file: 155) Links

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05432707 PMID: 7246143

Encephalitis induced in rabbits by staphylococcal lipoteichoic acid.

Dec 1980

Descriptors: *Encephalitis--etiology--ET; *Lipopolysaccharides; *Phosphatidic Acids--immunology--IM; *Teichoic Acids--immunology--IM; Animals; Antibodies, Bacterial--immunology--IM; Antigens, Bacterial--immunology--IM; Brain--pathology--PA; Encephalitis--immunology--IM; Rabbits; Staphylococcus aureus--immunology--IM
CAS Registry No.: 0 (Antibodies, Bacterial); 0 (Antigens, Bacterial); 0 (Lipopolysaccharides); 0 (Phosphatidic Acids); 0 (Teichoic Acids); 56411-57-5 (lipoteichoic acid)

20/6/97 (Item 22 from file: 155) Links

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05277731 PMID: 6967453

Influence of carrier-specific, thymus-derived cells on the immunoglobulin M antibody response to staphylococcal lipoteichoic acid.

Jul 1980

Tags: Female

Descriptors: *Antibodies, Bacterial--biosynthesis--BI; *Immunoglobulin M --biosynthesis--BI; *Lipopolysaccharides; *Phosphatidic Acids--immunology --IM; *Staphylococcus aureus--immunology--IM; *Teichoic Acids --immunology--IM; Animals; Antibody Specificity; Antibody-Producing Cells --immunology--IM; Immunization; Mice; Mice, Inbred BALB C; Mice, Inbred C57BL; Research Support, U.S. Gov't, Non-P.H.S.; T-Lymphocytes--immunology --IM

CAS Registry No.: 0 (Antibodies, Bacterial); 0 (Immunoglobulin M); 0 (Lipopolysaccharides); 0 (Phosphatidic Acids); 0 (Teichoic Acids); 56411-57-5 (lipoteichoic acid)

20/6/98 (Item 23 from file: 155) Links

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05217123 PMID: 6768220

Antibodies in rabbits immunized with staphylococcal lipoteichoic acid.

Feb 1980

Descriptors: *Antibodies, Bacterial--analysis--AN; *Staphylococcus aureus --immunology--IM; *Teichoic Acids--immunology--IM; Animals; Antigen-Antibody Reactions; Antigens, Bacterial; Counterimmunoelectrophoresis; Immune Sera--analysis--AN; Immunodiffusion; Immunoenzyme Techniques; Immunoglobulin G--analysis--AN; Immunoglobulin M --analysis--AN; Rabbits

CAS Registry No.: 0 (Antibodies, Bacterial); 0 (Antigens, Bacterial); 0 (Immune Sera); 0 (Immunoglobulin G); 0 (Immunoglobulin M); 0 (Teichoic Acids)

20/6/99 (Item 24 from file: 155) Links

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05217122 PMID: 6989165

Immunoperoxidase and electron microscopy studies of staphylococcal lipoteichoic acid.

Feb 1980

Descriptors: *Immunoenzyme Techniques; *Staphylococcus aureus--analysis--AN; *Teichoic Acids--analysis--AN; Antibodies, Bacterial--analysis--AN; Antigens, Bacterial--analysis--AN; Antigens, Surface--analysis--AN; Cell wall--analysis--AN; Cell wall --ultrastructure--UL; Immunoglobulin M--analysis--AN; Microscopy, Electron; Protoplasts--analysis--AN; Protoplasts--ultrastructure--UL; Staphylococcus aureus--ultrastructure--UL

CAS Registry No.: 0 (Antibodies, Bacterial); 0 (Antigens, Bacterial); 0 (Antigens, Surface); 0 (Immunoglobulin M); 0 (Teichoic Acids)

20/6/100 (Item 25 from file: 155) Links

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05190537 PMID: 6244350

Use of the periodate oxidation coupling method for the detection of antibody and antibody-producing cells specific for staphylococcal lipoteichoic acid.

1980

Tags: Female

Descriptors: *Lipopolysaccharides; *Periodic Acid--diagnostic use--DU; *Phosphatidic Acids--immunology--IM; *Staphylococcus aureus--immunology--IM; *Teichoic

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Acids--immunology--IM ; Animals; Antibodies, Bacterial--analysis--AN; Antibody-Producing Cells--analysis--AN; Erythrocytes--immunology--IM; Mice; Mice, Inbred C57BL; Oxidation-Reduction; Research Support, U.S. Gov't, P.H.S.
CAS Registry No.: 0 (Antibodies, Bacterial); 0 (Lipopolysaccharides); 0 (Phosphatidic Acids); 0 (Teichoic Acids); 10450-60-9 (Periodic Acid); 56411-57-5 (lipoteichoic acid)

20/6/101 (Item 1 from file: 156) Links

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3907455 NLM Doc No: 16043646

Mechanisms of cardiac depression caused by lipoteichoic acids from Staphylococcus aureus in isolated rat hearts.

Aug 2 2005

Tags: Male

Descriptors: *Heart--microbiology--MI; *Heart Failure, Congestive--microbiology--MI; *Lipopolysaccharides; *Staphylococcus aureus--physiology--PH; *Teichoic Acids ; Animals; Disease Models, Animal; Gene Expression Regulation; Heart Failure, Congestive--chemically induced--CI; In Vitro; RNA, Messenger--genetics--GE; Rats; Rats, Wistar; Research Support, Non-U.S. Gov't; Tumor Necrosis Factor-alpha--genetics--GE

CAS Registry No.: 0 (Lipopolysaccharides); 0 (RNA, Messenger); 0 (Teichoic Acids); 0 (Tumor Necrosis Factor-alpha); 56411-57-5 (lipoteichoic acid)

20/6/102 (Item 2 from file: 156) Links

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3891580 NLM Doc No: 16184199

Staphylococcal lipoteichoic acid inhibits delayed-type hypersensitivity reactions via the platelet-activating factor receptor.

Oct 2005

Descriptors: *Drug Hypersensitivity--immunology--IM; *Hypersensitivity, Delayed--immunology--IM; *Lipopolysaccharides--administration and dosage--AD; *Platelet Activating Factor--analogs and derivatives--AA; *Platelet Membrane Glycoproteins--agonists--AG; *Receptors, G-Protein-Coupled --agonists--AG; *Staphylococcus aureus; *Teichoic Acids --administration and dosage--AD ; Animals; Calcium--immunology--IM; Cell Line; Dermatitis, Atopic--immunology --IM; Dermatitis, Atopic--microbiology--MI; Dermatitis, Atopic--pathology --PA; Dinitrofluorobenzene--adverse effects--AE; Drug Hypersensitivity --pathology--PA; Drug Synergism; Humans; Hypersensitivity, Delayed --chemically induced--CI; Hypersensitivity, Delayed--pathology--PA; Inflammation--chemically induced--CI; Inflammation--immunology--IM; Inflammation--pathology--PA; Interleukin-10--immunology--IM; Lipopolysaccharides--chemistry--CH; Mice; Mice, Knockout; Platelet Activating Factor--administration and dosage--AD; Platelet Membrane Glycoproteins--deficiency--DF; Platelet Membrane Glycoproteins--immunology --IM; Receptors, G-Protein-Coupled--deficiency--DF; Receptors, G-Protein-Coupled--immunology--IM; Research Support, N.I.H., Extramural; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.; Skin--immunology--IM; Skin--pathology--PA; Staphylococcal Infections --immunology--IM; Staphylococcal Infections--pathology--PA; Staphylococcus aureus--chemistry--CH; Staphylococcus aureus --immunology--IM; Teichoic Acids--chemistry--CH; Th1 Cells--immunology--IM; Th1 Cells--pathology--PA; Th2 Cells--immunology--IM; Th2 Cells--pathology --PA
CAS Registry No.: 0 (Lipopolysaccharides); 0 (Platelet Activating Factor); 0 (Platelet Membrane Glycoproteins); 0 (Receptors, G-Protein-Coupled); 0 (Teichoic Acids); 0 (platelet activating factor receptor); 130068-27-8 (Interleukin-10); 56411-57-5 (lipoteichoic acid); 70-34-8 (Dinitrofluorobenzene); 7440-70-2 (Calcium); 91575-58-5 (1-O-hexadecyl-2-N-methylcarbamol -sn-glycerol-3-phosphocholine)

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20/6/103 (Item 3 from file: 156) Links

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3858758 NLM Doc No: 16043646

Mechanisms of cardiac depression caused by lipoteichoic acids from Staphylococcus aureus in isolated rat hearts.

Aug 2 2005

Tags: Male

Descriptors: *Heart--microbiology--MI; *Heart Failure, Congestive--microbiology--MI; *Lipopolysaccharides; *Staphylococcus aureus--physiology--PH; *Teichoic Acids ; Animals; Disease Models, Animal; Gene Expression Regulation; Heart Failure, Congestive--chemically induced--CI; In Vitro; RNA, Messenger--genetics--GE; Rats; Rats, Wistar; Research Support, Non-U.S. Gov't; Tumor Necrosis Factor-alpha--genetics--GE

CAS Registry No.: 0 (Lipopolysaccharides); 0 (RNA, Messenger); 0 (Teichoic Acids); 0 (Tumor Necrosis Factor-alpha); 56411-57-5 (lipoteichoic acid)

20/6/104 (Item 4 from file: 156) Links

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3842532 NLM Doc No: 16184199

Staphylococcal lipoteichoic acid inhibits delayed-type hypersensitivity reactions via the platelet-activating factor receptor.

Oct 2005

Descriptors: *Drug Hypersensitivity--immunology--IM; *Hypersensitivity, Delayed --immunology--IM; *Lipopolysaccharides--administration and dosage--AD; *Platelet Activating Factor--analogs and derivatives--AA; *Platelet Membrane Glycoproteins--agonists--AG; *Receptors, G-Protein-Coupled --agonists--AG; *Staphylococcus aureus; *Teichoic Acids --administration and dosage--AD ; Animals; Calcium--immunology--IM; Cell Line; Dermatitis, Atopic--immunology --IM; Dermatitis, Atopic--microbiology--MI; Dermatitis, Atopic--pathology --PA; Dinitrofluorobenzene--adverse effects--AE; Drug Hypersensitivity --pathology--PA; Drug Synergism; Humans; Hypersensitivity, Delayed --chemically induced--CI; Hypersensitivity, Delayed--pathology--PA; Inflammation--chemically induced--CI; Inflammation--immunology--IM; Inflammation--pathology--PA; Interleukin-10--immunology--IM; Lipopolysaccharides--chemistry--CH; Mice; Mice, Knockout; Platelet Activating Factor--administration and dosage--AD; Platelet Membrane Glycoproteins--deficiency--DF; Platelet Membrane Glycoproteins--immunology --IM; Receptors, G-Protein-Coupled--deficiency--DF; Receptors, G-Protein-Coupled--immunology--IM; Research Support, N.I.H., Extramural; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.; Skin--immunology--IM; Skin--pathology--PA; Staphylococcal Infections --immunology--IM; Staphylococcal Infections--pathology--PA; Staphylococcus aureus--chemistry--CH; Staphylococcus aureus --immunology--IM; Teichoic Acids--chemistry--CH; Th1 Cells--immunology--IM; Th1 Cells--pathology--PA; Th2 Cells--immunology--IM; Th2 Cells--pathology --PA
CAS Registry No.: 0 (Lipopolysaccharides); 0 (Platelet Activating Factor); 0 (Platelet Membrane Glycoproteins); 0 (Receptors, G-Protein-Coupled); 0 (Teichoic Acids); 0 (platelet activating factor receptor); 130068-27-8 (Interleukin-10); 56411-57-5 (lipoteichoic acid); 70-34-8 (Dinitrofluorobenzene); 7440-70-2 (Calcium); 91575-58-5 (1-O-hexadecyl-2-N-methylcarbamol -sn-glycerol-3-phosphocholine)

20/6/105 (Item 5 from file: 156) Links

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3681402 NLM Doc No: 14500472

Pneumococcal lipoteichoic acid (LTA) is not as potent as staphylococcal LTA in stimulating Toll-like receptor 2.

Oct 2003

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Descriptors: *Lipopolysaccharides--toxicity--TO; *Membrane Glycoproteins--drug effects --DE; *Membrane Glycoproteins--immunology--IM; *Receptors, Cell Surface --drug effects--DE; *Receptors, Cell Surface--immunology--IM; * Staphylococcus aureus--pathogenicity--PY; *Streptococcus pneumoniae --pathogenicity--PY; *Teichoic Acids--toxicity--TO ; Animals; Antigens, CD14--metabolism--ME; CHO Cells; Comparative Study; Cricetinae; Humans; In Vitro; Leukocytes, Mononuclear--drug effects--DE; Leukocytes, Mononuclear--immunology--IM; Lipopolysaccharides--chemistry--CH ; Lipopolysaccharides--immunology--IM; NF-kappa B--metabolism--ME; Receptors, Interleukin-2--metabolism--ME; Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, P.H.S.; Species Specificity; Staphylococcus aureus--immunology--IM; Streptococcus pneumoniae --immunology--IM; Teichoic Acids--chemistry--CH; Teichoic Acids --immunology--IM; Toll-Like Receptor 1; Toll-Like Receptor 2; Toll-Like Receptor 4; Toll-Like Receptors; Tumor Necrosis Factor-alpha--biosynthesis --BI
CAS Registry No.: 0 (Antigens, CD14); 0 (Lipopolysaccharides); 0 (Membrane Glycoproteins); 0 (NF-kappa B); 0 (Receptors, Cell Surface); 0 (Receptors, Interleukin-2); 0 (TLR2 protein, human); 0 (TLR4 protein, human); 0 (Teichoic Acids); 0 (Toll-Like Receptor 1); 0 (Toll-Like Receptor 2); 0 (Toll-Like Receptor 4); 0 (Toll-Like Receptors); 0 (Tumor Necrosis Factor-alpha); 56411-57-5 (lipoteichoic acid)

20/6/106 (Item 6 from file: 156) Links

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3368947 NLM Doc No: 9925653

Lipoproteins inhibit macrophage activation by lipoteichoic acid.

Feb 1999

Descriptors: *Lipopolysaccharides--antagonists and inhibitors--AI; *Lipoproteins --pharmacology--PD; *Macrophage Activation--drug effects--DE; *Teichoic Acids--antagonists and inhibitors--AI ; Animals; Antibodies--metabolism--ME; Antibodies --pharmacology--PD; Carrier Proteins--pharmacology--PD; Cell Line; Dose-Response Relationship, Drug; Humans; Lipopolysaccharides--metabolism --ME; Lipopolysaccharides--pharmacology--PD; Lipoproteins--blood--BL; Macrophage Activation--physiology--PH; Macrophages--cytology--CY; Macrophages--drug effects--DE; Mice; Research Support, U.S. Gov't, Non-P.H.S.; Research Support, U.S. Gov't, P.H.S.; Soybean Oil--pharmacology --PD; Staphylococcus aureus--chemistry--CH; Teichoic Acids --pharmacology--PD; Tumor Cells, Cultured; Tumor Necrosis Factor-alpha --secretion--SE
CAS Registry No.: 0 (Antibodies); 0 (Carrier Proteins); 0 (Lipopolysaccharides); 0 (Lipoproteins); 0 (Teichoic Acids); 0 (Tumor Necrosis Factor-alpha); 0 (soybean oil); 56411-57-5 (lipoteichoic acid); 8001-22-7 (Soybean Oil)

20/6/107 (Item 7 from file: 156) Links

ToxFile

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3152830 NLM Doc No: 7479784

The cell wall components peptidoglycan and lipoteichoic acid from Staphylococcus aureus act in synergy to cause shock and multiple organ failure.

Oct 24 1995

Tags: Male

Descriptors: *Cell wall--chemistry--CH; *Hemodynamic Processes--drug effects--DE; *Lipopolysaccharides--toxicity--TO; *Multiple Organ Failure--microbiology --MI; *Peptidoglycan--toxicity--TO; *Shock, Septic--microbiology--MI; *Staphylococcal Infections; *Staphylococcus aureus--pathogenicity --PY; *Teichoic Acids--toxicity--TO ; Animals; Cell Line; Enzyme Induction--drug effects--DE; Interferon Type II --blood--BL; Isoenzymes--biosynthesis--BI; Lung--enzymology--EN; Macrophages; Mice; Multiple Organ Failure--physiopathology--PP; Nitric Oxide Synthase--biosynthesis--BI; Organ Specificity; Rats; Wistar; Research Support, Non-U.S. Gov't; Shock, Septic--physiopathology--PP; Staphylococcal

monoantibodysearch.txt

Infections--physiopathology--PP; Staphylococcus aureus--physiology--PH; Tumor
Necrosis Factor-alpha--analysis--AN; Virulence
CAS Registry No.: 0 (Isoenzymes); 0 (Lipopolysaccharides); 0 (Peptidoglycan); 0
(Teichoic Acids); 0 (Tumor Necrosis Factor-alpha); 56411-57-5 (lipoteichoic acid);
82115-62-6 (Interferon Type II)
Enzyme No.: EC 1.14.13.39 (Nitric Oxide Synthase)

20/6/109 (Item 1 from file: 266) Links

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00618293

Identifying No.: 5R01MH065297-04 Agency Code: CRISP

Receptors Involved in Microglial Responses to S. aureus

Descriptors: laboratory mouse; genetically modified animal; Staphylococcus aureus ;
bacterial cytopathogenic effect; inflammation; host organism interaction; genetic
transduction; bactericidal immunity; cytokine; enzyme linked immunosorbent assay;
blocking antibody; nervous system infection; microglia; peptidoglycan;
lipopolysaccharide; receptor expression; cytokine receptor; tissue mosaicism; gel
mobility shift assay; RNase protection assay; gene targeting; chemokine; fluorescent
in situ hybridization; CD14 molecule; toll like receptor

20/6/110 (Item 2 from file: 266) Links

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00563976

Identifying No.: 5R01AI050019-05 Agency Code: CRISP

IRAK Family Function in Bacterial Infection

Descriptors: laboratory mouse; genetically modified animal; Klebsiella pneumoniae;
gram negative bacteria; gram positive bacteria; Staphylococcus aureus; Streptococcus
pneumoniae; biological signal transduction; macrophage; inflammation; host organism
interaction; gene deletion mutation; cellular immunity; enzyme linked immunosorbent
assay; antigen antibody reaction; attenuated microorganism; disease /disorder model;
protein kinase ; lipopolysaccharide; protein structure function; cytokine receptor;
tissue /cell culture; enzyme activity; RNase protection assay; bacteria infection
mechanism; toll like receptor

>>>W: "FREE" is not a valid format name in file(s): 399

20/6/110 (Item 2 from file: 266) Links

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00563976

Identifying No.: 5R01AI050019-05 Agency Code: CRISP

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Descriptors: laboratory mouse; genetically modified animal; Klebsiella pneumoniae;
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interaction; gene deletion mutation; cellular immunity; enzyme linked immunosorbent
assay; antigen antibody reaction; attenuated microorganism; disease /disorder model;
protein kinase ; lipopolysaccharide; protein structure function; cytokine receptor;
tissue /cell culture; enzyme activity; RNase protection assay; bacteria infection
mechanism; toll like receptor